

## PERSONAL INFORMATION



## Curriculum Vitae Christos Pavlou

Nikolaou Koutouzi 30, 26 Patras (Greece)

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[pavlouchr@gmail.com](mailto:pavlouchr@gmail.com)

Sex Male | Date of birth 17 Jun 83 | Nationality Greek

## PREFERRED JOB Materials Scientist

## WORK EXPERIENCE

1 Sep 12 – Present

### Postgraduate researcher, Msc in Polymer Science

FORTH/ICE-HT,, Patras (Greece),, Patras (Greece)

Producing Membranes via reactive blending processes, trying to improve the miscibility between biodegradable polymer matrixes and organic nano-fillers in order to succeed certain barrier and mechanical properties. The miscibility is evaluated using stress-strain testing, SEM and FTIR. Also worked with blends of co-polymers transforming them into nano-porous films and adding antibiotic activity, with a purpose to improve the mechanical properties combined with certain breathability properties.

26 Aug 10 – 1 May 12

### Swift Supervisor,operator

Supervisor-operator at the Quality Sector of the Puritium S.A. Where it is located in the field of photo-voltaic production.

3 Feb 08 – 12 Jun 08

### Trainee

Worked as trainee on the measuring of the wear and the stability on the Titan facilities, for the Kokkinos Construction Company. Where non distractive methods where applied with use of ultrasonic sounds, and chemical analysis of concrete

8 Oct 04 – 31 Jan 08

### External partner

Laboratories Of Manufacturing and Automation, Mechanical and Engineering Department, University Of Patras, Prof. G. Chryssolouris

Participated to the Formula Student Contest ((*Designing project (2006) (First Awarded) and (constructing session (2007))*) under the supervision of the LMS Laboratories at the University Of Patras.

## EDUCATION AND TRAINING

1 Sep 11 – 1 Sep 13

### MSc of the Interdepartmental Master's program on the Polymer Science and Technologies organised by the University of Patras under the co-ordination of the Department of Physics.

University of Patras, Patras (Greece)

Reactive blending and film casting of polymers and homopolymers.  
Familiarize with characterization techniques on polymers.  
Polymer Chemistry, Polymer Physics, Polymer Physic chemistry, Polymer Technologies

Thesis on "Blending of Nano-composites based on biodegradable polymers with inclusions of Organic Nano-particles".

14 Sep 04 – 14 Jul 10

## Materials Scientist

University Of Patras,

Materials Scientist occupied mostly in the fields of biomaterials, polymers, quantum mechanics and nano-mechanics

Thesis on "Investigation of micro-machining operations and theoretical and experimental measurement on the wear of tungsten carbide micro-tools during micro-milling operation on ductile surfaces".

### PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills President of the 5 members student council  
Public Relationships on 2004 Greek elections

Job-related skills TIG & MIG welding, Micro-end-mills, Operating quality measurement machines, organization of production lines  
Low Experience at repair of internal combustion machines, melt blending

Computer skills Microsoft office, Internet, Networks, TCL Programming Language, FORTRAN 95

Other skills Lifeguard of the Greek Red Cross, Amateur actor ,Snowboard , Agricultural dealings, Theatrical Acting, Painting, Sailing, Climbing

### ADDITIONAL INFORMATION

References Laboratory for Manufacturing Systems & Automation  
Department of Mechanical Engineering and Aeronautics  
University of Patras  
Rio, Patras 26500, Greece  
Prof. G. Chryssolouris  
Email: xrisol@mech.upatras.gr  
Tel.: +30 2610 997262 , 997264 , 997848 , 997899 , 996143  
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Laboratory Of Polymers  
The Chemistry Department  
University of Patras  
Rio, Patras 26500, Greece  
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Tel: (+302610) 962952  
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